

CLAIMS

1. Radiation detector comprising a counter (1),
an absorbing enclosure (2) surrounding the counter
5 except for the collimation slit (3) leading to the
counter, characterized in that it comprises a motor (7)
servocontrolled to a set counter signal current (T_{cc}),
and a transmission (8, 9) connecting the motor to a
mobile portion (12) of the absorbent enclosure,
10 partially delimiting the collimation slit, to move the
said mobile portion to increase or reduce the width of
the collimation slit depending on the activity of the
motor, the motor moving on one side of the detector
opposite the collimation slit and the transmission
15 extending through the absorbent enclosure.

2. Radiation detector according to claim 1, characterized in that it comprises an axis (13) parallel to a length direction of the slit to which the mobile portion is articulated, the transmission comprises a sliding rod (9) finishing at a handle (14) sliding in a drilling (11) that is oblique with respect to the rod forming the mobile portion.

3. Radiation detector according to claim 2,
characterized in that the mobile portion delimits the
25 collimation slit by a convex face (15) moving away from
the axis (13).